

The Detection of Plenty of Oncogenic HPV Types on Dysplastic and Cancerous Tissue

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Background & Objectives: Cervical cancers the second most common malignancy, like other forms of genital cancer is more prevalent cancer among in women worldwide. An average of 450 cases of genital cancer is reported in Iranian annually. Recent study have shown presence of HPV16 and HPV18 In the genital cancer.

Methods: 145 specimens obtained from patients with SCC and dysplasia, confirmed by histological review. Polymerase chain reaction (PCR) was utilized to DNA extracts and then typing in slides from all patients.

Results: HPV DNA was detected in 66/66% of 117 specimens. Infection with HPV genotypes was presence in 55 specimens (83/33%) among SCC patient (66 cases) and 23 specimens (45%) among 51 specimens of dysplasia patients. The most frequent types in SCC patient were HPV18 (31/62%) and HPV16 (27/35%). Frequency of HPV33 and HPV31, 15/38/% and 4/27% was reported.

Conclusion: The most frequent HPV types in patient with SCC were 16 and 18 that is identical to many other countries infection pattern.

Keywords: Human Papillomavirus; Cervical Cancer; Genotype